

MANUEL UTILISATEUR
OWNER'S MANUAL 4260

SPÉCIFICATIONS TECHNIQUES / TECHNICAL SPECIFICATIONS



MERCI D'AVOIR CHOISI CE SYSTÈME ELIPSON. NOS INGÉNIEURS ONT MIS EN ŒUVRE LES TECHNOLOGIES LES PLUS ABOUTIES POUR VOTRE ENTIÈRE SATISFACTION. LA 4260 EST LA DIGNE HÉRITIÈRE DES ENCEINTES 4240/4050, QUI PARTICIPÈRENT À LA RÉPUTATION LÉGENDAIRE DE LA MARQUE ELIPSON AUPRÈS DES PROFESSIONNELS DU SON, DES MUSICIENS ET DES AUDIOPHILES. LA 4260 EST CONÇUE SANS AUCUN COMPROMIS TECHNIQUE, POUR UNE RESTITUTION MUSICALE INOUBLIABLE. PRENEZ LE TEMPS DE LIRE ATTENTIVEMENT CE MODE D'EMPLOI, AFIN DE PROFITER PLEINEMENT DE CES ENCEINTES D'EXCEPTION.

THANK YOU FOR CHOOSING THIS ELIPSON SYSTEM. OUR ENGINEERS HAVE IMPLEMENTED THE MOST ADVANCED TECHNOLOGIES FOR YOUR COMPLETE SATISFACTION. THE 4260 IS THE WORTHY DESCENDENT OF THE 4240/4050 SPEAKER WHICH HELPED ESTABLISH THE LEGENDARY REPUTATION OF THE ELIPSON BRAND AMONG SOUND PROFESSIONALS, MUSICIANS AND AUDIOPHILES. NO TECHNICAL COMPROMISE WAS PERMITTED IN THE DESIGN OF THE 4260, SO WE HAVE ACHIEVED UNFORGETTABLE MUSICAL FIDELITY. TAKE A FEW MOMENTS TO CAREFULLY READ THIS MANUAL IN ORDER TO TAKE FULL ADVANTAGE OF THESE EXCEPTIONAL SPEAKERS.

L'ÉQUIPE ELIPSON / ELIPSON TEAM

INTRODUCTION



The **4260** is the descendent of a prestigious family of professional speakers. Its story begins in the 1960s, after a request from the French National Radio and Television Service (the R.T.F. which later became the O.R.T.F.) for a sound component that would be a future standard for sound engineers. Three years of joint effort by the Elipson and R.T.F. teams produced a model called "La Religieuse" that was as acoustically ambitious as it was esthetically innovative. This was the brand's first multi-way speaker.

This project then inspired the sphere 402 (40 cm diameter 2-way sphere). This speaker became legendary among sound engineers and musicians (particularly in concrete and nascent acousmatic music). The 402 then became associated with a C50 subwoofer to become the 4050, a must for radio and television studios in the 1970s and 1980s. The 5060, an exceptional model designed within this line, became legendary in a memorable battle against an organ in studio 102 of Radio France.

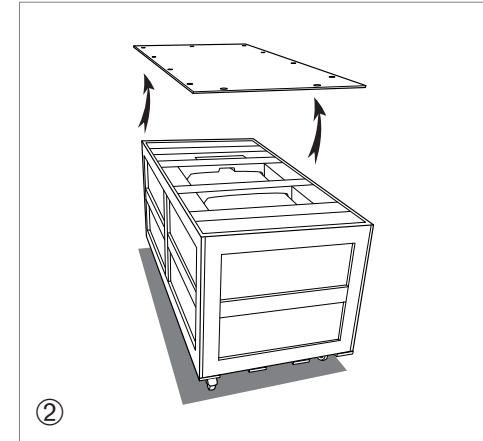
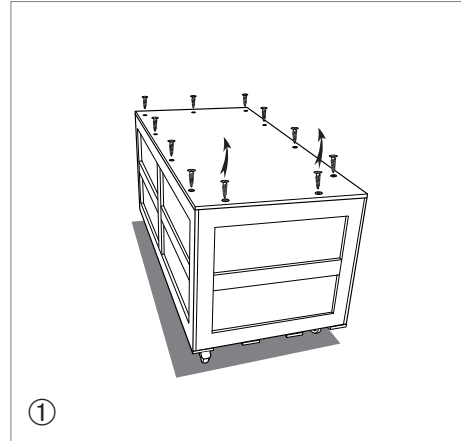
The 4260 is the fruit of this glorious past. It is the culmination of several years of research, and it is the worthy successor to these legendary models. It goes back to the original name, with 42 for the 42 cm diameter sphere and 60 for its 60 cm wide woofer. While our spirit in search of perfection has remained unchanged, technology has evolved since the 4240, 4050. The engineers who were inspired by this rich heritage have continued to innovate to come ever closer to perfection. The sphere is a return to the original construction, with an internal resonator and an acoustic phasing per physical alignment (Patented by Elipson). The

staff (reinforced plaster) has given way to reinforced resin which features a controlled intrinsic inertia. The medium register loudspeaker is manufactured according to the list of specifications by the French company PHL Audio, which sets the standard in professional sound.

As for the high register, we called upon the Danish company Scan-Speak, which is famous for this type of application. The woofer for the reproduction of the low register is adapted to today's demands, with an extended frequency response at an exceptional level. The strong section bass-reflex charge, to limit airflow noise, replaces the symmetrical charge, which eats up too much power. The woofer case uses an internal structure specially designed to keep it rigid (AVS technology for Anti-Vibration System). This translates to a transitory response without error and with reduced distortion. The 38 cm is also made by PHL company according to specifications. The **4260** is a speaker of uncompromising technical design for unforgettable musical fidelity.

Today in your living room or in your recording studio, two years of research culminate with the same philosophy as always: to give real life to the music, and to make speakers that serve the needs of musicians and the needs of every music lover!

UNPACKING



ATTENTION

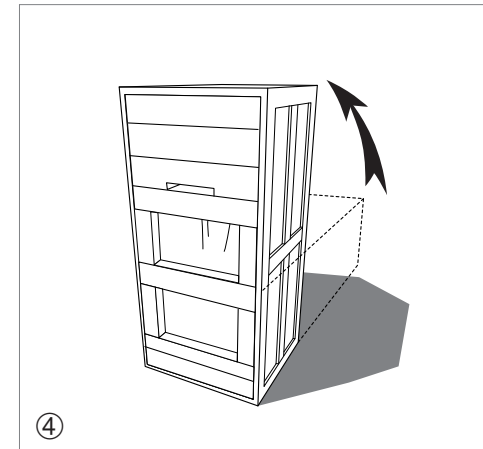
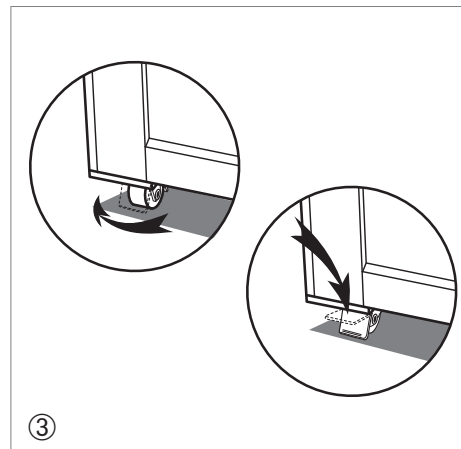
- MAKE SURE TO WEAR GLOVES WHEN HANDLING THE UNWRAPPED SPEAKER
- A MINIMUM OF 2 PEOPLE SHOULD HANDLE THE SPEAKER
- FOLLOW ALL INSTRUCTIONS STEP BY STEP

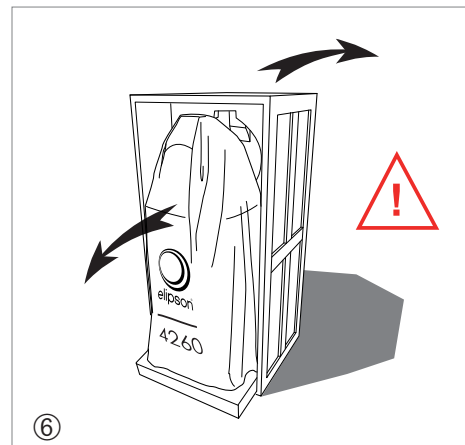
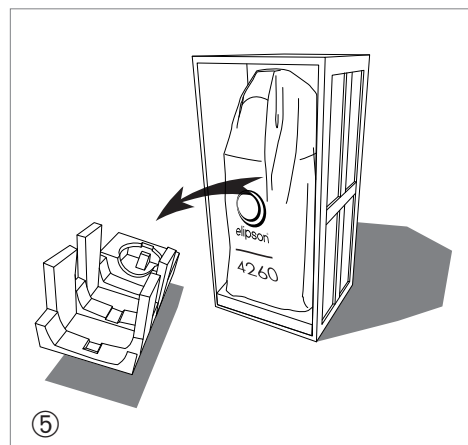
① Unscrew the screws on the upper plank.

② Set down the upper plank.

③ Turn the wheels. Put the brakes on the wheels.

④ Raise the crate vertically.





⑤ Remove the protective foam.

⑥ ⑦ **ATTENTION Delicate procedure.**
Remove the 4260 from the crate using notches
in the base.

⑧ Set the speaker in place and remove
the protective covering.

STORAGE OF THE PACKAGING

It is important to preserve the packaging in order to
transport with no risk of damage to the speakers.

PLACEMENT

IDEAL PLACEMENT GUIDELINES

The ideal placement for your 4260 is in a vast room dedicated to listening. Still, we will see that it is often necessary to adapt to the particular constraints of the location.

In all cases:

- the speakers should be placed in compliance with the triangle represented in the following graphic.
- At least 60 cm should separate the speakers from the walls behind or on either side.

These speakers require precise placement. Take the time to find the ideal position in order to derive maximum benefit.

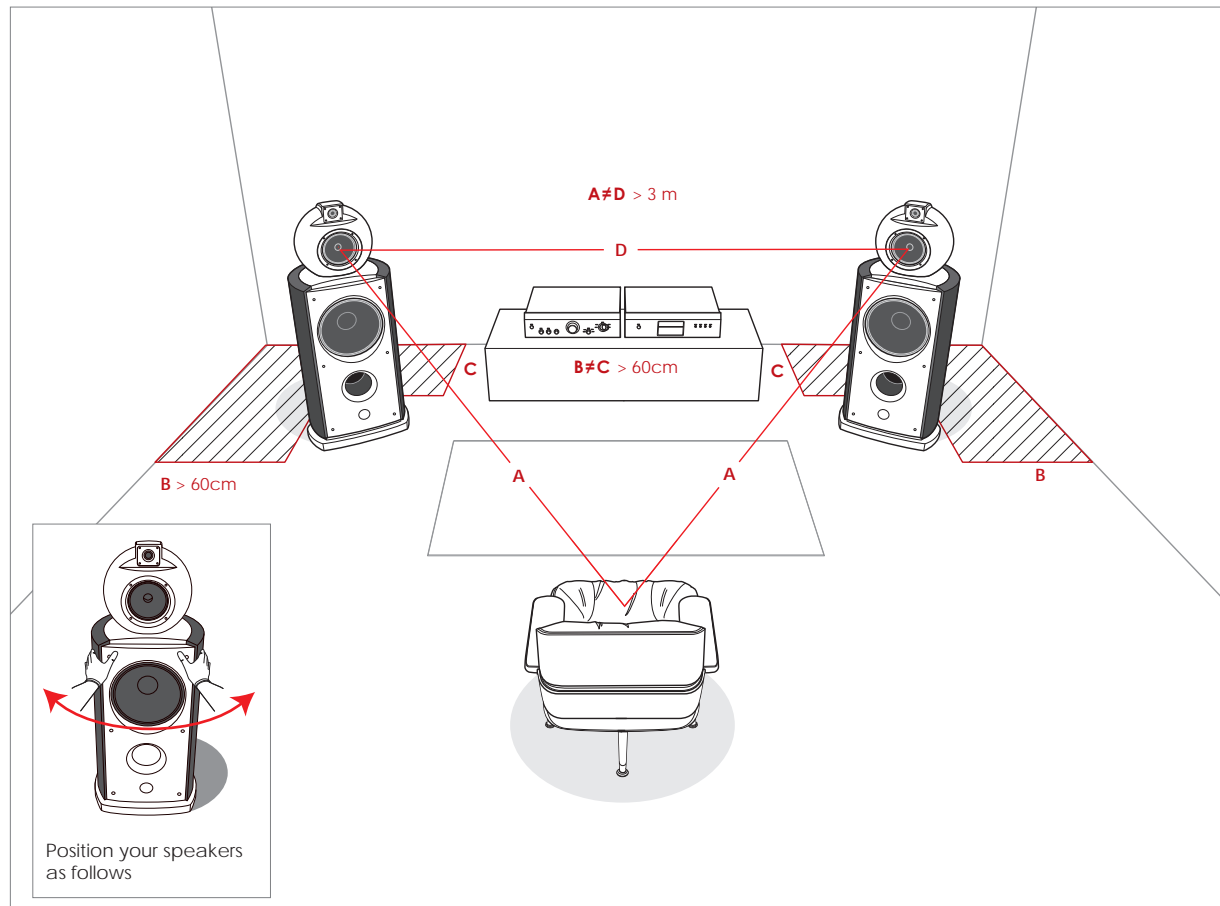
IMPROVEMENT OF THE LISTENING ENVIRONMENT

Room acoustics have a decisive influence on sound.

For this reason:

- avoid components that are likely to vibrate under acoustic pressure in the listening environment.
- placement on stable and firm surface is advisable.

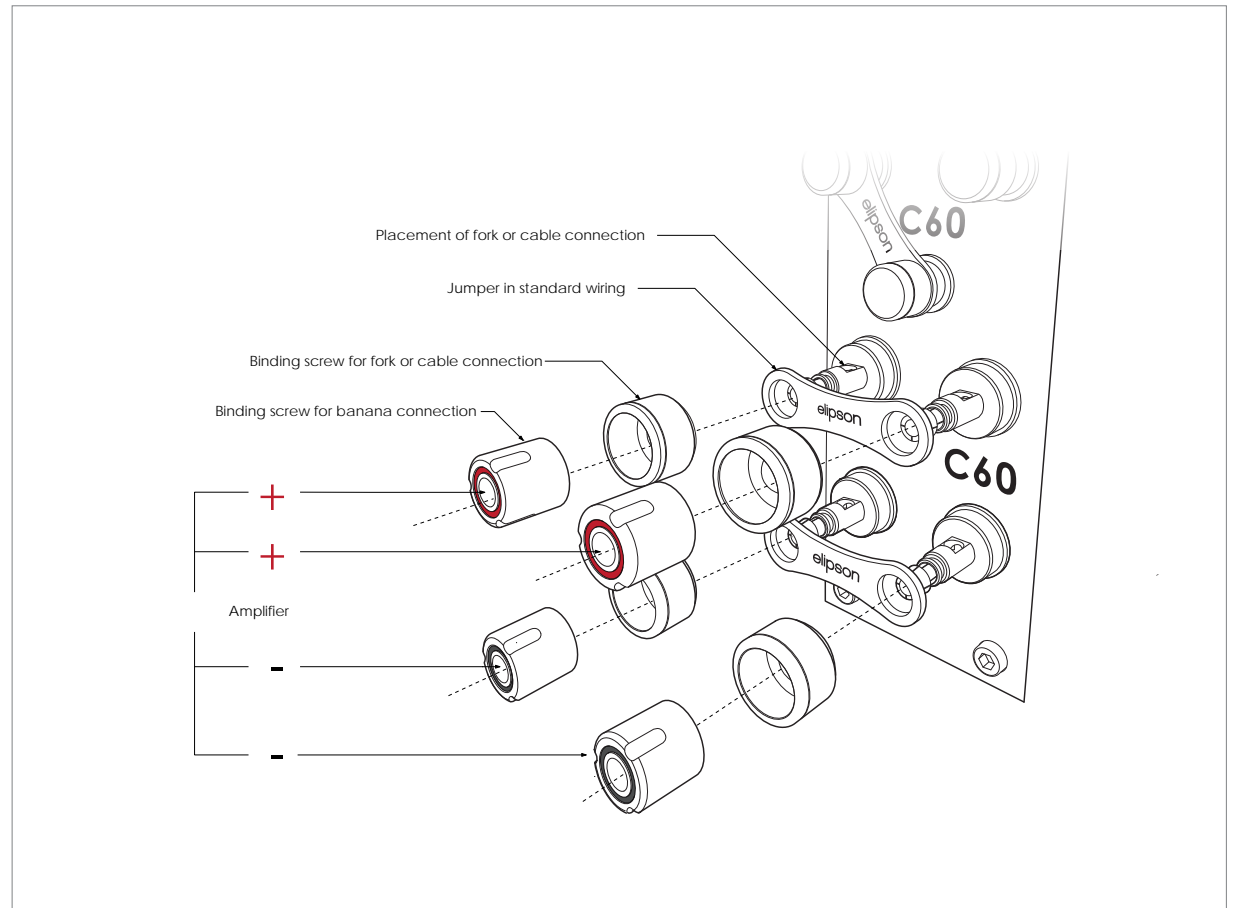
If flooring is old and vibrates easily, you might find it useful to place speakers on an intermediate solid, heavy block.



CONNECTIONS

CHOICE OF AMPLIFIER

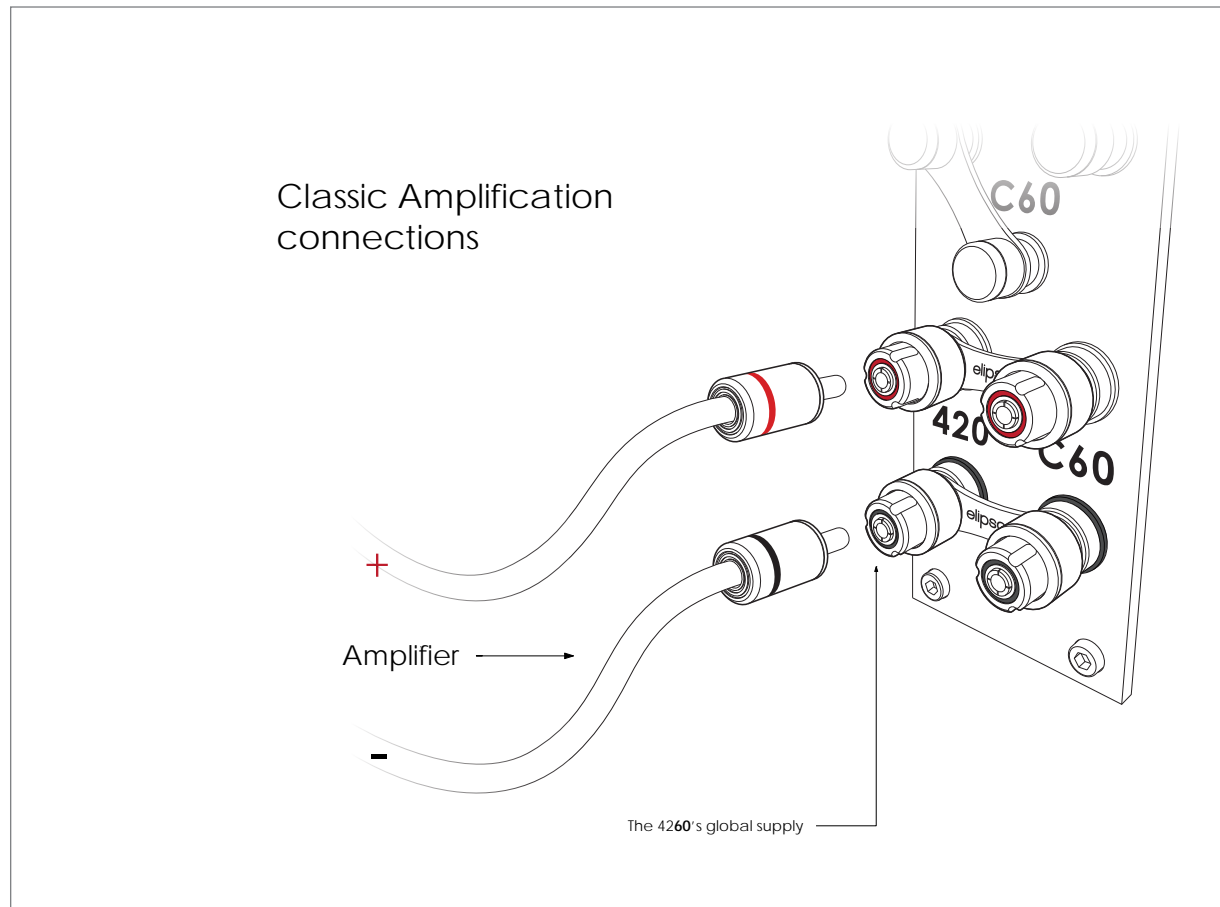
The 4260 speakers are designed to be supplied by 1 or 2 amplifiers. The amplifier(s) should be chosen with care to make the most of these speakers. Their high output means they do well with less power. The fact that they can receive considerable power means they can emit heavy volume in complete safety.



CONNECTIONS

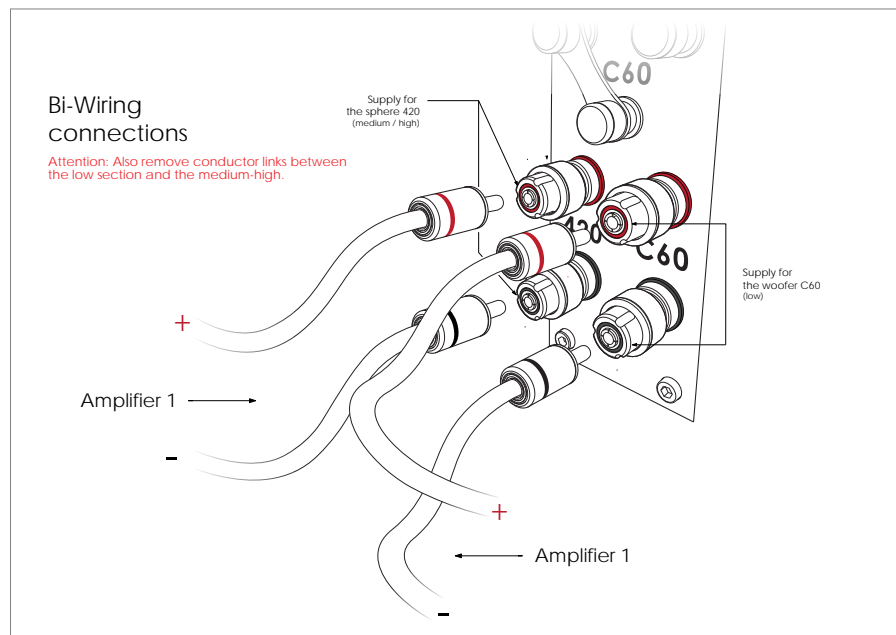
CLASSIC AMPLIFICATION

In mono-amplification, a stereo amplifier line or a mono block sends the full spectrum to your speaker.



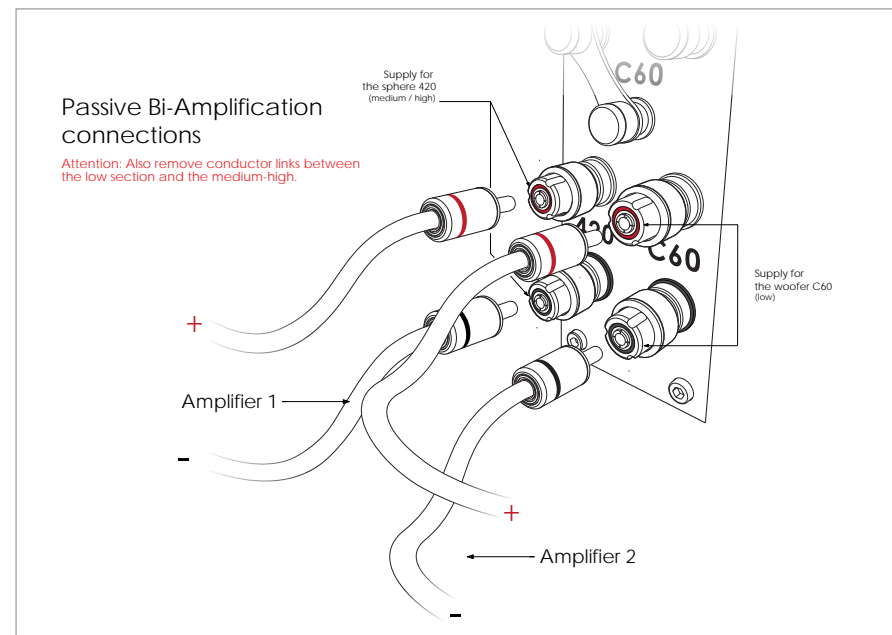
BI-WIRING

Bi-wiring can improve the performance of your speakers. A single amplifier is used, but separate cables are used for low and high for each speaker. High quality cables are needed for best performance. Left tie-point blocks for highs and right tie-point blocks for lows. Also remove conductor links between the low section and the medium-high.



PASSIVE BI-AMPLIFICATION

You can use two different amplifiers to supply the 4260. The medium/high register amplifier will be chosen with output between 40 and 100W. The amplifier supplying the low register will have power between 100 and 250W. You should remove the conductor links between the low section and medium-high. This separation preserves the internal speaker filtering. You should therefore not use an active filter before the amplifiers.



SETTINGS

The 4260 offers settings that let you adapt the behavior of the speaker to the conditions of the listening environment. These settings are changed by moving the jumpers on the rear terminal. It is recommended that you begin by positioning the speakers correctly (cf preceding chapter) before any attempt at adjusting the settings. Correct placement is indispensable. Improper positioning may not be completely rectified by these setting changes.

SETTING THE C60 WOOFER

Changing the setting for lows lets you strengthen low frequencies in a particularly large and light room.

- If listening conditions are normal, keep the low level on A ①.
- It may be useful to reinforce the level of low, position B ②, in the following cases:
 - Plaster slab walls or wood panels that absorb extreme lows.
 - Associated amplifier with a low response that is set slightly back.
 - Very large listening environment.



Attention : the switch should follow the direction of the chosen setting, it is very important to comply with the orientation according to the direction A or B, depending on the selected option.

SETTING THE 420 SPHERE

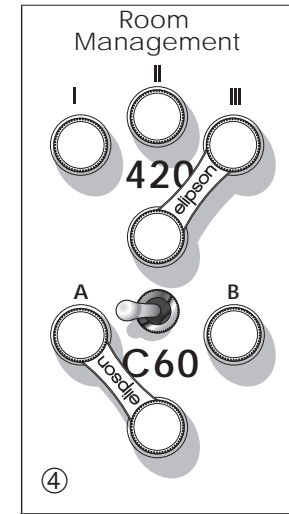
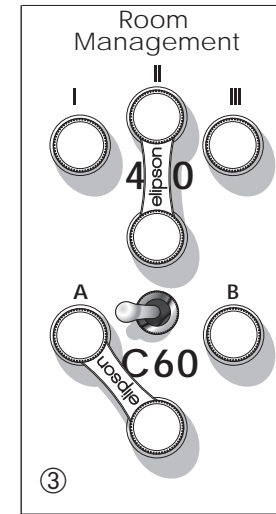
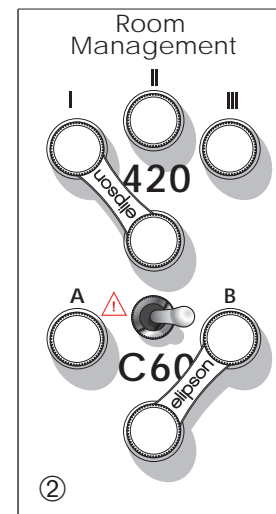
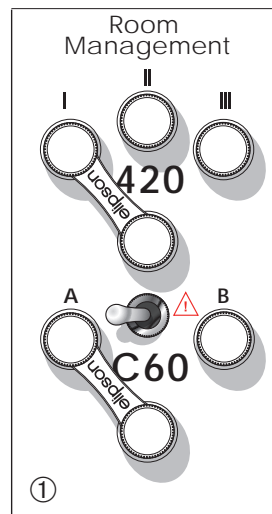
This setting allows you to adjust the level of highs to compensate for an overly absorbent acoustic environment.

- By default, remain at position I. This setting corresponds to normal measures and is well-suited for close-up listening. ①
- Setting II corresponds to listening inside a semi-reverberating room at a distance of about 4 meters. ③
- If your listening zone is farther away and/or the location is very sound-absorbing in the high register (as is the case with fabric on the walls for example), you should

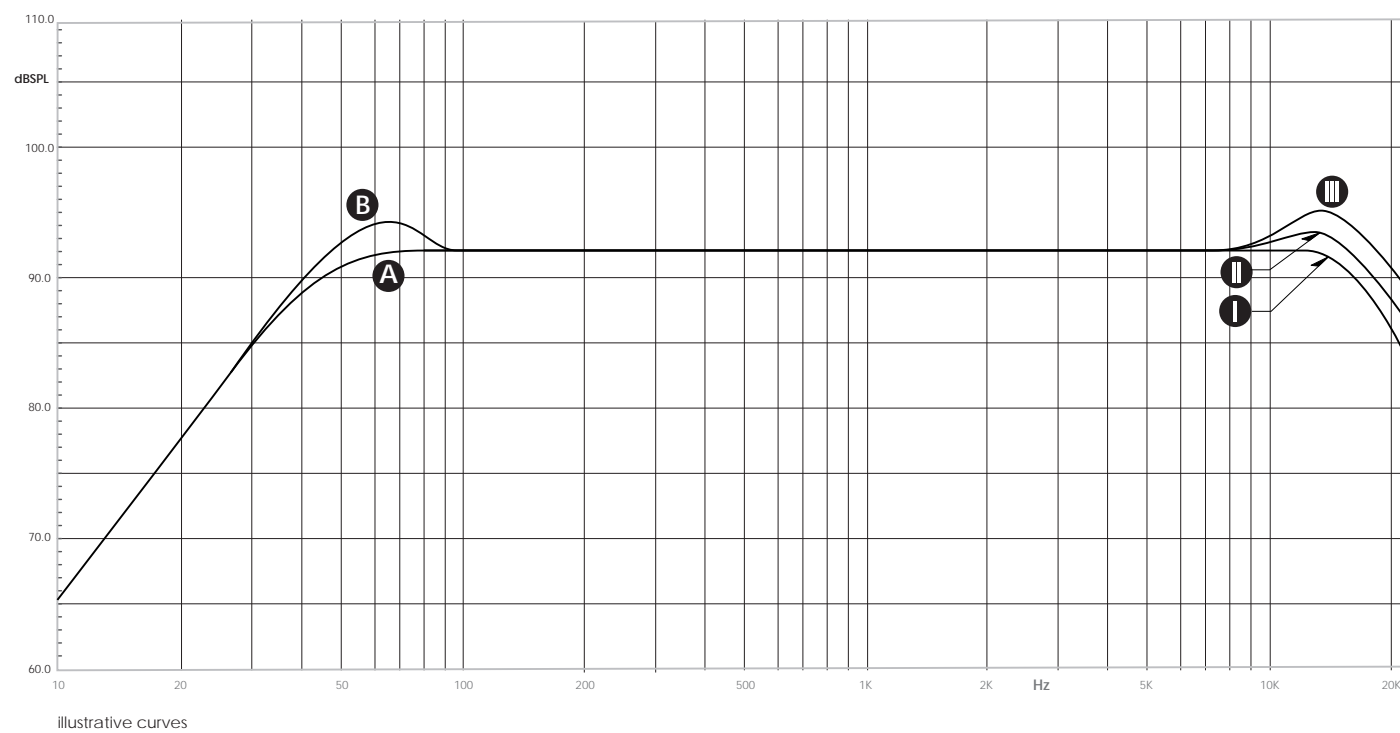
put the setting to III to compensate for losses on the high register. ④

BREAKING THE SPEAKERS IN

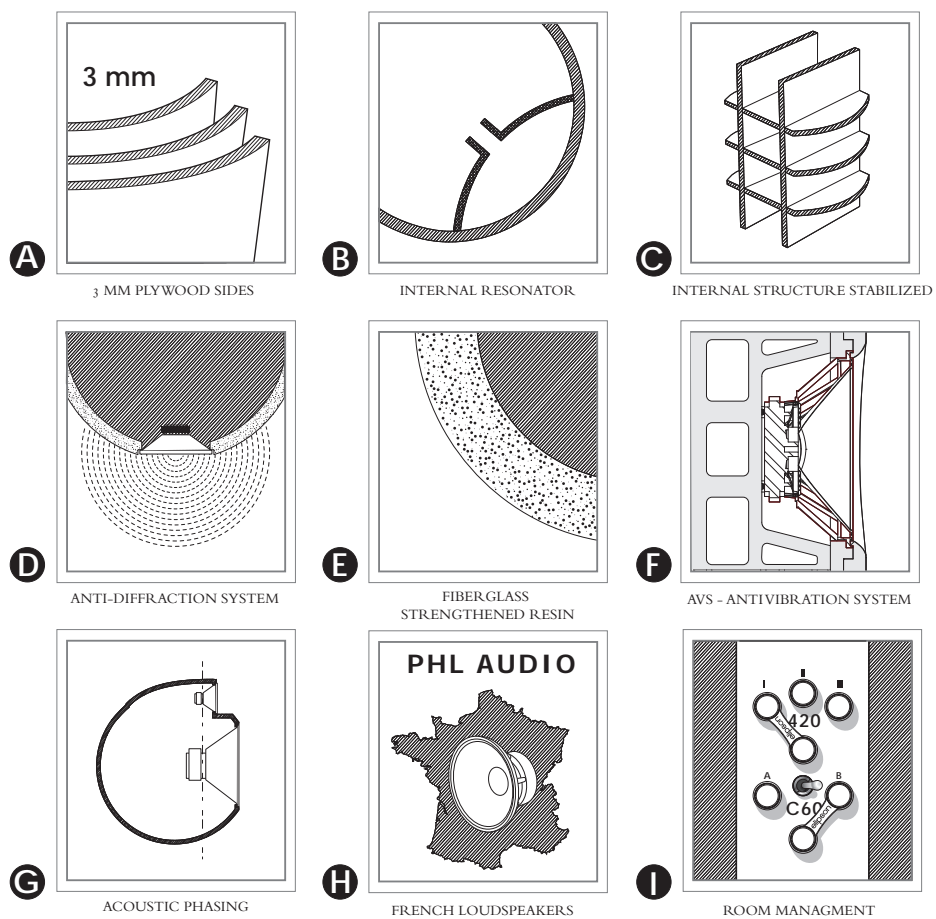
The loudspeakers used in the 4260 are mechanical assemblies made with the greatest possible care. You should anticipate a break-in period of a minimum of 100 hours in order to release all the components that these loudspeakers contain. This break-in can be done by playing music or with track 11 of the ELIPSON break-in CD supplied. After this period, your speakers will operate with the desired volume and precision.



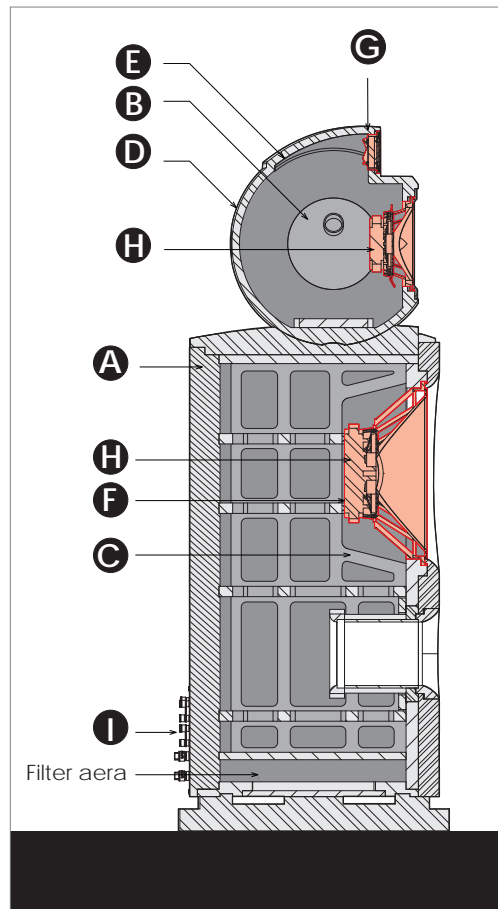
Frequency response curve of the 4260 according to the **ROOM MANAGEMENT** settings



TECHNICAL SPECIFICATIONS



TECHNICAL SPECIFICATIONS



3-way speaker
Bass enclosure with midrange/treble sphere.
Maximum Power: 250 W

Bass-reflex subwoofer with optimized internal reinforcements.

38 cm woofer, paper membrane treated with magnetic flux demodulation ring to reduce harmonic distortion and induction modulations.

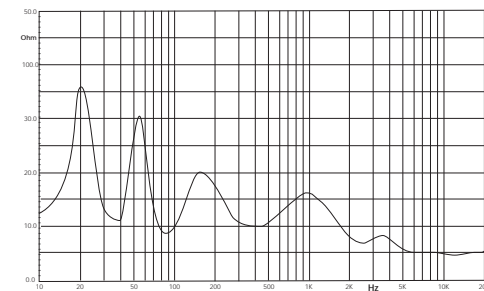
21 cm medium loudspeaker, treated paper membrane, using the same technology as the woofer.

25 mm tweeter, silk top, neodymium magnet, with non-resonating aluminum chamber and multiple resonators.

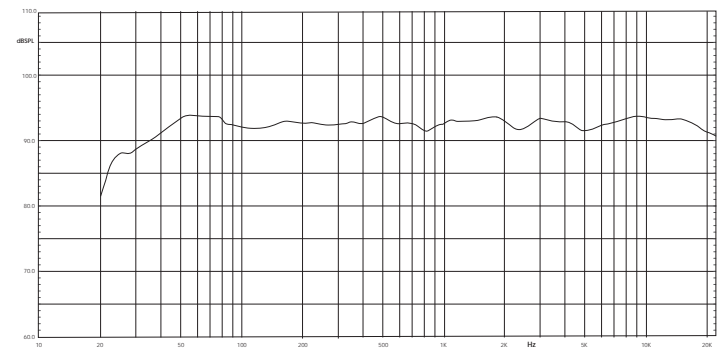
Design optimized for weak compression.
Frequency response: 31 Hz - 40 kHz
Sensitivity: 92 dB/1W/1 m
Impedance : 8 Ohms

Dimensions (L x H x P) : 590 x 1435 x 550 mm
Weight : 129 kg / each

Impedance curve



Frequency response curve of the 4260



INFORMATIONS

PROTECT THE ENVIRONMENT



If you wish to discard the packaging, please note that it can be recycled. We request that you take steps toward environmental protection according to options available to you (waste sorting, for example).

When this equipment reaches the end of its lifespan, it should not be thrown into a regular disposal container. It should be turned in at a recycling center for electronic equipment. This symbol on the product indicates that it was designed to be recycled according to a particular procedure. You will be making a very significant contribution to environmental preservation.

This equipment complies with the RoHS European directive. This means that it uses no substance that will become a heavy pollutant when recycled (Lead, Mercury, Cadmium, Hexavalent Chromium, Polybromobiphenyles, Polybrominated diphenylethers).

TRANSFER

We request that you update the registration of your product online in case of transfer, in order to enable the new owner to enjoy the advantages of the Elipson club, at www.elipson.com

PRECAUTIONS FOR USE



You should use your speakers in normal conditions as described in this manual.

- Do not install them in humid areas (such as bathrooms, near a pool, spa, etc.) or outdoors.
- If the speaker is installed on an upper floor, verify that the floor is sufficiently solid to support the weight of the speaker. Refer to the maximum weight supported by the floor from the path between delivery and installation of the speaker . (150 kg)
- Do not place the speakers near a source of intense heat.
- Do not bring flames into proximity of the speakers (candles, fireplace, radiator, etc.)
- Do not expose the speakers to spills.
- Turn off and unplug the supply from the amplifier before installing or moving the speakers.

DO NOT OPEN THE CASE



This equipment contains no parts that the user can replace. Accessing the inside of the case may provoke electrical shock. Any modification of the product will result in voiding the validity of the guarantee. If an object or a liquid falls into the case, unplug it immediately and contact your vendor to have a technician remove it under safe conditions.

In case of an emergency, straps may be used, as demonstrated by the graphic attached, in order to lift the speaker up.

